AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A mobile phone system, comprising:

a ~~plural~~ plurality of base stations,

wherein each of the plurality of base stations includes circuitry to transmit ~~each transmitting a logical control channel signal~~ a logical control channel signal ~~through~~ in a designated transmission time slot of a frame, ~~to which the same slot number in a frame is allocated, and~~ the designated transmission time slot being the same for each of the plurality of base stations; and

at least one ~~a~~ mobile phone which includes circuitry to receive the logical control channel signal in a designated reception time slot of the frame, corresponding to the designated transmission time slot of each of the plurality of base stations, the designated reception time slot being the same for each frame of a plurality of frames of said at least one mobile phone,

wherein when receiving the logical control channel signal in the designated reception time slot of the frame, said at least one mobile phone receives an information channel signal in an other reception time slot of the frame, the information channel signal being transmitted from one of said plurality of base stations.

~~receiving the transmitted logical control channel signal through a reception slot to which the slot number corresponding to the transmission slot is allocated and setting the reception slot~~

~~into a receivable state, whereby said mobile phone receives the logical control channel signal by the reception slot which are set into the receivable state when handover is carried out.~~

2. (currently amended): The mobile phone system as claimed in claim 1, wherein said one of said plurality of base stations serves as a handover source and said at least one mobile phone receives a different information channel signal transmitted from an other base station of said plurality of base stations serving as a handover destination after handover is performed. ~~when receiving the logical control channel signal through the reception slot which is set to the receivable state, said mobile phone sets into a receivable state an other reception slot which is not used for communications between said mobile phone and one base station of said plural base stations serving as a handover source.~~

3. (currently amended): The mobile phone system as claimed in claim 1, wherein the logical control channel signal is successively transmitted at a fixed period timing from each of said ~~plural~~ plurality of base stations.

4. (currently amended): The mobile phone system as claimed in claim 1, wherein the logical control channel signal transmitted from each of said ~~plural~~ plurality of base stations is synchronized in transmission timing among said ~~plural~~ plurality of base stations.

5. (currently amended): The mobile phone system as claimed in claim 3, wherein the logical control channel signal transmitted from each of said ~~plural~~ plurality of base stations is synchronized in transmission timing among said ~~plural~~ plurality of base stations.

6. (currently amended): The mobile phone system as claimed in claim 2, wherein said at least one mobile phone detects a reception level of each ~~of~~ logical control channel ~~signals~~ signal ~~thus~~ received, and compares the reception level of each ~~the~~ logical control channel signal ~~thus~~ detected with the reception level of ~~an~~ said information channel signal which is transmitted/received to/from said one base station of said plurality of base stations serving as said handover source.

7. (currently amended): A handover method for a mobile phone system, comprising:

transmitting a logical control channel ~~signals~~signal from each of a plurality of ~~plural~~ base stations ~~through~~ in a designated transmission time ~~slots~~ slot ~~to which the same slot number in one frame is allocated~~of a frame, the designated transmission time slot being the same for each of said plurality of base stations; and

receiving the logical control channel ~~signals~~signal ~~at a mobile phone through~~ in a designated reception time slot of a frame, corresponding to the designated transmission time slot of each of the plurality of base stations, at a mobile phone, the designated reception time slot being the same for each frame of a plurality of frames of said mobile phone,

wherein when receiving the logical control channel signal in the designated reception time slot of the frame, said mobile phone receives an information channel signal in an other

reception time slot of the frame, the information channel signal being transmitted from one of said plurality of base stations.~~to which the slot number corresponding to the transmission slot is allocated, and~~

~~setting into a receivable state the reception slot for carrying out handover.~~

8. (new): The mobile phone system as claimed in claim 6, wherein said at least one mobile phone chooses said logical control channel signal having the highest reception level when the reception level of each of said logical control channel signal detected is higher than the reception level of said information channel signal.

9. (new): A mobile phone system comprising:

means for transmitting a logical control channel signal from each of a plurality of base stations in a designated transmission time slot of a frame, the designated transmission time slot being the same for each of the plurality of base stations; and

means for receiving the logical control channel signal in a designated reception time slot of the frame corresponding to the designated transmission time slot of each of the plurality of base stations, at a mobile phone, the designated reception time slot being the same for each frame of a plurality of frames of said mobile phone,

wherein when receiving the logical control channel signal in the designated reception time slot of the frame, said mobile phone receives an information channel signal in an other reception time slot of the frame, the information channel signal being transmitted from one of said plurality of base stations.